

## **Parents' Guide for Kindergarten Mathematics**

By the end of kindergarten, students understand small numbers, quantities, and simple shapes in their everyday environment. They count, compare, describe and sort objects, and develop a sense of patterns. Students also develop an understanding of measurable attributes of objects.

The following are specific skills students need to acquire by the end of kindergarten:

### **Number Sense and Operations**

- Recognize and write numbers in order 0-30
- Use objects to model numbers 0-30
- Match numerals to objects in a set
- Develop strategies for one-to-one correspondence
- Estimate quantities in a set based on groups of 10
- Use ordinal numbers from first to tenth to identify position
- Count to 50

### **Patterns**

- Collect, sort, and classify objects according to a single attribute (e.g., size, color, shape)
- Reproduce and create simple patterns

### **Geometry and Measurement**

- Identify, name, describe, and draw geometric shapes
- Identify clocks and calendars as tools that measure time
- Identify a day, week, and month on a calendar and name the days of the week in order
- Identify pennies, nickels, dimes, and quarters as units of money
- Use words to describe position and distance (shorter, longer, above, below, near, far, between)
- Compare two objects (longer/shorter, heavier/lighter, larger/smaller, more/less)
- Place objects in order by length or weight
- Collect and organize simple data